

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

1-8. (Cancelled)

9.(Currently Amended) A PIFA antenna arrangement for at least two mobile radio frequency bands having a desired separation from one another comprising:

a first antenna branch having a turning point between a first end and a second end of the first antenna branch;

~~at least two a second antenna branches-branch, which run being alongside to one another the first antenna branch and [[have]] having a first gap with the first antenna branch, therebetween, wherein the second antenna branch is branches-are in the form of strips-a strip and [[are]] connected to one another at a foot-point the first end of the first antenna branch to form a series connection, and wherein the antenna branches have straight sections that produce eapacitive coupling between the antenna branches;~~

a ground connection, arranged at a free end of one of the antenna branches-an outer edge of the first antenna branch facing away from the first gap; and

an RF supply connection is arranged at the outer edge of the second end of the first antenna branch where the ground connection is provided; [[and]]

wherein the widths of the first antenna branch and the second antenna branch, the antenna branches, the lengths of the antenna-branches the first antenna branch and the second antenna branch, and the gap between the first antenna branch and the second antenna branch the antenna branches are of such a size that the PIFA antenna structure has two resonant frequency bands that conform to the desired separation.

10. (Currently Amended) The PIFA antenna arrangement as claimed in claim 9, wherein the width of at least one of the first antenna branch and the second antenna branch is less than 1/15 of the wavelength of a higher-frequency frequency band.

11. (Currently Amended) The PIFA antenna arrangement as claimed in claim 10, wherein the width of at least one of the first antenna branch and the second antenna branch is less than $1/20$ of the wavelength of the higher-frequency frequency band.

12. (Currently Amended) The PIFA antenna arrangement as claimed in claim 9, wherein ~~[[the]]~~ a distance between the ground connection and the RF supply connection is matched to a resonant frequency of one of the two resonant frequency bands.

13. (Currently Amended) The PIFA antenna arrangement as claimed in claim 9, wherein the area ratio of the ~~at least two antenna branches~~ the first antenna branch and the second antenna branch corresponds to a ratio between two resonant frequencies.

14. (Currently Amended) The PIFA antenna arrangement as claimed in claim 9, further comprising:

a third antenna branch;

~~two further antenna branches which run alongside one another, wherein the two further antennas are in the form of strips and are connected to one another at a second foot point in order to connect the two further antenna branches in series with one another, the further antenna branches having a predetermined distance from one another over one section in order to form a gap, and wherein the further antenna branches have straight sections that produce capacitive coupling between the antenna branches.~~

a fourth antenna branch being alongside the third antenna branch, wherein the fourth antenna branch is in the form of a strip and the third antenna branch and the fourth antenna branch are connected in series at the first end of the third antenna branch, the fourth antenna branch having a second gap with the third antenna branch, wherein the first antenna branch connects the third antenna branch at the ground connection.

15. (Currently Amended) The PIFA antenna arrangement as claimed in claim 14, further comprising:

~~a ground connection between the antenna branches and the further antenna branches;~~

~~a further RF supply connection located at an outer edge of the antenna branches and the further antenna branches of the PIFA antenna structure, at which the ground connection is provided, and wherein the widths of the further antenna branches, the lengths of the further antenna branches and the gap between the further antenna branches are of such a size that the PIFA antenna structure produces two further resonant frequency bands with the desired separation from one another is arranged at an outer edge of the third antenna branch where the ground connection is provided.~~

16. (Currently Amended) The PIFA antenna arrangement as claimed in claim 15, wherein the RF supply connection and the further RF supply connection are ~~arranged on opposite sides of the ground connection, and are~~ joined together to form a common RF supply line.

17. (Original) The PIFA antenna arrangement as claimed in claim 14, wherein the arrangement has a substantially rectangular outer edge.

18. (New) A PIFA antenna comprising:

a first antenna branch having an L-shape;

a second antenna branch having an L-shape, the second antenna branch being alongside the first antenna branch, and the second antenna branch having a first gap with the first antenna branch, wherein the second antenna branch is connected at a first end of the first antenna branch to form a series connection;

a ground connection; and

an RF supply connection, wherein the ground connection and the RF supply connection are arranged at an outer edge of the first antenna branch facing away from the first gap.

19. (New) The PIFA antenna as claimed in claim 18, wherein a distance between the ground connection and the RF supply connection is matched to a resonant frequency of the antenna.

20. (New) The PIFA antenna as claimed in claim 18, further comprising:

a third antenna branch having an L-shape;

a fourth antenna branch having an L-shape, the fourth antenna branch being alongside the third antenna branch, wherein the third antenna branch and the fourth antenna branch are connected in series at the first end of the third antenna branch, the fourth antenna branch having a second gap with the third antenna branch, wherein the first antenna branch connects the third antenna branch at the ground connection.

21. (New) The PIFA antenna as claimed in claim 20, further comprising:

a further RF supply connection is arranged at an outer edge of the third antenna branch where the ground connection is provided.

22. (New) The PIFA antenna as claimed in claim 21, wherein the RF supply connection and the further RF supply connection are joined together to form a common RF supply line.